

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) An engine valve seat ~~with~~ comprising a plating layer formed on a surface of a valve seat main body fitted into a concaved mounting reception portion provided at an air inlet or air outlet of a cylinder head, ~~thus preventing~~ galvanic corrosion originating from dissimilar metal contact with a valve seat at said concaved mounting reception portion of said cylinder head.

Claim 2. (Currently Amended) An engine valve seat ~~with~~ comprising a plating layer formed on at least ~~that a~~ a surface of a valve seat main body, fitted into a concaved mounting reception portion provided at an air inlet or air outlet of a cylinder head, which faces said receiving portion, thus preventing galvanic corrosion originating from dissimilar metal contact with a valve seat at said concaved mounting reception portion of said cylinder head.

Claim 3. (Currently amended): The engine valve seat according to claim 1 ~~or 2~~, wherein a standard electrode potential of said plating layer is set between an electrode potential of said valve seat main body and an electrode potential of said mounting reception portion.

Claim 4. (Currently Amended) An engine cylinder head ~~having~~ comprising a valve seat fitted into a concaved mounting reception portion provided at an air inlet or air outlet of the cylinder head, wherein a plating layer is formed on a surface of said concaved mounting reception portion; ~~thus and preventing~~ prevents galvanic corrosion originating from dissimilar metal contact with a valve seat at said concaved mounting reception portion of said cylinder head.

Claim 5. (Currently Amended) An engine cylinder head ~~having~~ comprising:

wherein a plating layer is formed on that a surface of said concaved mounting reception portion which faces said valve seat, thus and preventing galvanic corrosion originating from dissimilar metal contact with said valve seat at said concaved mounting reception portion of said cylinder head.

Claim 7. (Amended) An engine cylinder head having comprising:

wherein plating layers are formed on both a surface of said concaved mounting reception portion and a surface of said valve seat, thus preventing galvanic corrosion originating from dissimilar metal contact with said valve seat at said concaved mounting reception portion of said cylinder head.

reception portion which faces said valve seat; and

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Claim 9. (Currently Amended) The engine cylinder head according to claim 7 ~~or~~ 8, wherein a material for said plating layer of said mounting reception portion and a material for said plating layer of said valve seat are provided in such a manner that electrode potentials equal or approximately equal to each other, or an electrode potential of said aluminum-based cylinder head, an electrode potential of said plating layer of said mounting reception portion, an electrode potential of said plating layer of said valve seat, and an electrode potential of said iron-based valve seat, increase in that order.

Claim 10. (Currently Amended) An engine valve seat ~~with comprising~~: an insulating layer formed on a surface of a valve seat main body ~~to be fitted~~ into a concaved mounting reception portion provided at an air inlet or air outlet of a cylinder head, wherein said valve seat main body is made of an iron-based alloy, and said insulating layer is an iron oxide film, ~~thus preventing~~ galvanic corrosion originating from dissimilar metal contact with said valve seat at said concaved mounting reception portion of said cylinder head.

Claim 11. (Currently Amended) An engine valve seat ~~with comprising~~ an insulating layer formed on that surface of a valve seat main body, ~~to be fitted~~ into a concaved mounting reception portion provided at an air inlet or air outlet of a cylinder head, which faces said concaved mounting reception portion, wherein said valve seat main body is made of an iron-based alloy, and said insulating layer is an iron oxide film, thus preventing galvanic corrosion originating from dissimilar metal contact with said valve seat at said concaved mounting reception portion of said cylinder head.

Claim 12. (Currently Amended) A method of manufacturing a valve seat to be fitted into a concaved mounting reception portion provided at an air inlet or air outlet of a cylinder head, comprising the steps of:

~~wherein after an insulating layer is formed~~ forming an insulating layer on an entire surface of a valve seat main body;

wherein preventing galvanic corrosion originating from dissimilar metal contact with said valve seat at said concaved mounting reception portion of said cylinder head.

Claim 13. (Currently Amended) The valve seat manufacturing method according to claim 12, wherein said valve seat main body is made of an iron-based alloy, and further comprising the step of steaming the surface of said valve seat main body to form an iron oxide film ~~is formed as said insulating layer. by steaming the surface of said valve seat main body.~~

Claim 14. (Currently Amended) An engine valve seat with comprising a coating layer for electrical insulation formed on a surface of a valve seat main body ~~to be fitted into a concaved mounting reception portion provided at an air inlet or air outlet of a cylinder head, thus preventing galvanic corrosion originating from dissimilar metal contact with said valve seat at said concaved mounting reception portion of said cylinder head.~~

Claim 15. (Currently Amended) An engine valve seat with comprising a coating layer for electrical insulation formed on at least that surface of a valve seat main body, ~~to be fitted into a~~ concaved mounting reception portion provided at an air inlet or air outlet of a cylinder head, which faces said concaved mounting reception portion, ~~thus~~ preventing galvanic corrosion originating from dissimilar metal contact with said valve seat at said concaved mounting reception portion of said cylinder head.

Claim 16. (Currently Amended) An engine cylinder head having a valve seat fitted into a concaved mounting reception portion provided at an air inlet or air outlet of a cylinder head, wherein a coating layer for electrical insulation is formed on a surface of said mounting reception

Claim 26. (New) The engine valve seat according to claim 15, wherein said coating layer is a polytetrafluoroethylene resin layer.